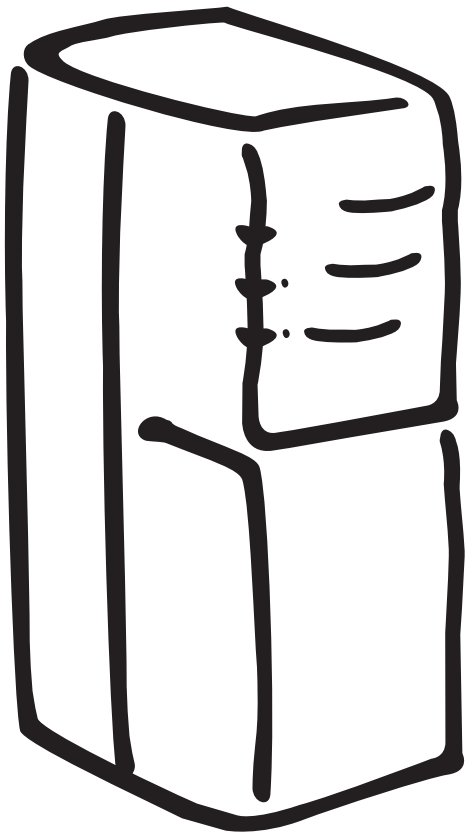
USER MANUAL
GEBRAUCHSANWEISUNG
MANUEL D'INSTRUCTION
MANUAL DE INSTRUCCIONES
LIBRETTO ISTRUZIONI
BRUKSANVISNING



Confidence RO 300

WATER PURIFIER

REVERSE OSMOSIS

EN

DE

FR

ES

IT

SE

822 90 16-33

Your new water purifier

EN **THANK YOU** for entrusting us to supply your new water purifier. We are confident it will provide you with many years of trouble-free use.
To avoid problems, it is important for you to read the user instructions. Read the «Safety information» and the «Installation» instructions especially carefully. Everybody using the water purifier should be familiar with how to operate it and its safety features
The manual should be kept and stay with the water purifier. If it is ever moved or changes owners, the user of the appliance should be able to read about the various functions and safety instructions.
The user manual's English instructions begin on page 3.

DE **Vielen Dank**, daß Sie unseren Wasseraufbereiter gewählt haben. Wir hoffen, daß Sie viele Jahre Freude an dem Gerät haben werden. Um Probleme zu vermeiden, ist es wichtig, daß Sie dieses Benutzer-Handbuch lesen und die Hinweise und Anweisungen der «Sicherheits-informationen» und der «Installationsanleitung» genau befolgen. Jeder, der diesen Wasseraufbereiter benutzt, sollte wissen wie er funktioniert und was in einem Störungsfall zu tun ist.
Dieses Handbuch ist immer bei dem Wasseraufbereiter aufzubewahren. Geben Sie diese Unterlagen auch im Falle eines Verkaufes an den neuen Besitzer weiter.
Die Deutche Bedienungsanweisungen dieses Handbuchs beginnen auf Seite 21.

FR **NOUS VOUS REMERCIONS** d'avoir choisi le purificateur d'eau RO 300, qui remplira son office sans faillir pendant de nombreuses années. Pour obtenir les performances optimum de votre purificateur d'eau, il est recommandé de lire attentivement le présent document et de le conserver en lieu sûr à des fins de consultation ultérieure.
Afin d'éviter tout problème, on ne manquera pas de lire la section intitulée «Sécurité», ni de se conformer scrupuleusement aux instructions d'«installation». Quiconque utilise le purificateur devra en connaître le maniement et les dispositifs de sécurité.
Conserver avec soin le présent manuel d'instructions et veiller à ce qu'il accompagne le purificateur en cas de déplacement ou de vente de ce dernier, de façon à ce que tout utilisateur puisse à tout moment consulter le manuel d'instructions complet et les instructions de sécurité.
Le instructions en français du manuel d'utilisation commencent page 39.

ES **GRACIAS** por confiar en nosotros como proveedores de su purificador de agua, el cual esperamos utilice durante muchos años sin problemas.
Es importante para usted la lectura de este manual, con el fin de evitar problemas, y que siga cuidadosamente los consejos de la «Información sobre Seguridad» así como las instrucciones de «Instalación». Todo usuario del purificador de agua debe familiarizarse con su modo de funcionar y con los consejos sobre seguridad correspondientes.
Este manual debe ser guardado y acompañar al purificador. Así, incluso en el caso de que cambiara de propietario, cualquiera que lo utilice, pueda tener acceso a las diferentes funciones del purificador y a las instrucciones de seguridad.
El manual de instrucciones en Espanol comienza en la pagina 57.

IT **GRAZIE** per la fiducia che ci avete accordato acquistando questo nuovo apparecchio per il trattamento delle acque potabili. Siamo certi che potrete contare sul suo perfetto funzionamento per molti anni.
Per evitare problemi, è importante che l'utente legga attentamente le seguenti istruzioni, prestando particolare attenzione ai capitoli "Informazioni sulla sicurezza" e "Installazione". Chiunque utilizza un elettrodomestico dovrebbe conoscere le modalità di funzionamento e le caratteristiche di sicurezza di tale apparecchio.

Conservare il presente manuale assieme al dispositivo. Se l'apparecchio viene spostato o ceduto a un altro proprietario, l'utente deve sempre avere la possibilità di consultare la documentazione relativa alle varie funzioni e alle istruzioni di sicurezza.
Le istruzioni in italiano del manuale inizano a pagina 75.

SE **TACK** för att vi fick förtroendet att leverera Din nya vattenrenare, som vi hoppas ska ge Dig många års bekymmersfri användning. För att undvika problem är det viktigt att Du läser igenom bruksanvis-ningen och noga följer «Säkerhetsinformationen» och anvisningarna om «Installation». Alla som använder vattenrenaren ska vara väl förtrogna med användningssättet och säkerhetsdetaljerna.
Spara manualen och låt den följa med vattenrenaren vid flytt eller ägarbyte, så att alla som använder produkten kan läsa om de olika funktionerna och säkerhetsinstruktionerna.
Bruksanvisningens svenska handledning börjar på sida 93.

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Guide to use the manual

The following symbols will be found in the text to guide you throughout the instructions:

Safety information

Environment information

Step by step instructions

Hints and information

⚠ Safety information

Carefully read the user instructions, which contain directions, advice and warnings, before installing and starting to use the water purifier. It will then work in a correct manner and provide the greatest benefit. Everybody using the water purifier should be familiar with how to operate it and its safety features.
The user manual should be kept and stay with the water purifier if it is ever moved or changes owners, the user of the appliance should be able to read about the various functions and safety instructions.

Installation

- Check that the water you want to purify meets the requirements specified in «Technical facts».
- The water purifier must be connected to an earthed electrical supply. As some operations require the power supply to be temporarily interrupted, it is best to connect using a plug that is also easily accessible after installation. Permanent wiring to the electrical supply may only be carried out by a qualified electrician and the installation should be performed with a safety switch. Incorrect installation can result in personal injury and/or damage to property which are not covered by any warranty.
- Plumbing work should be performed by a qualified plumber. If you do the installation yourself, be sure to follow applicable local plumbing and sanitary codes.
- It is important for the water purifier to be installed upright on a horizontal surface and that hoses and cables do not get stretched or jammed when moving the purifier, e.g. during installation and cleaning.
- If the feed water is classed as unfit, have the purified water checked after installation. After this, test the purified water once a year or if there is any change in the taste or odour, to check that the water purifier is working well. Do not drink the water if the results are unsatisfactory. Contact your dealer.
- When the water purifier is new, the purified water may not be drunk until the flushing procedure has been completed.

Child safety

- Do not let children play with the water purifier.
- Never leave packaging material lying around so that children can play with it.

Use

- The water purifier is intended to produce the quantity of water that is normally required for cooking and drinking in a household. The purifier may only provide one water supply point with water. It must not be connected to existing pipes, tanks, dishwashers or similar. There is a risk of corrosion in water pipes and water-heaters. For the same reason, no other faucet for pure water may be used than the one included or recommended by your dealer.
- Purified water may only be drunk if the light on the faucet glows green when the water is produced. It can take up to 120 seconds before the water purifier indicates good water quality.
- The water purifier must be connected to water and electricity in order for the automatic flushing system to work. It flushes automatically after water has been purified and when the plug is connected. If purified water is produced for more than 2 hours, the water purifier will automatically stop and flush and then switch to standby mode.
- The top of the water purifier may not be used to place items on.
- Do not use the purified water in aluminium vessels. There is a risk of corrosion of the vessel and a higher concentration of aluminium in the purified water.
- Do not change or modify the water purifier in any way. This can result in personal injury and/or damage to property which is not covered by any warranty.
- If the water purifier is to be disconnected from water and electricity for an extended period (1 week), it should be stored as described in «Storage». This also provides protection against freezing down to -30 °C.
- The water purifier may not be used without a filter (except during cleaning and storage). It could be seriously damaged.
- If the water purifier contains preserving agents or detergents, it must be flushed in accordance with «Flushing» before the purified water may be used.
- Once a month, check that the connections are watertight. Leaks outside the appliance cannot be detected by the internal safety system. If leakage occurs, immediately switch off the water supply and break the current to the appliance by pulling the plug out of the wall socket or unscrewing the fuse in the electrical distribution board.
- If the mains plug has been damaged in some way, it must be replaced by a qualified person to avoid damage or injury.

Safety information

Waste management

Packaging

80% of the components used in the appliance and its packaging are identified with symbols to assist the process of recycling and disposal.
This labelling is in accordance with international standards. The packaging parts are made from recyclable corrugated board and can be deposited at collection points for recycling.

Old apparatus

At the end of the water purifier's life, disconnect the plug from the electrical supply and cut the cable at the point where it enters the appliance. Make sure that children do not play with the left cable.
Contact your local authority for information about where the water purifier can be left, or contact your dealer.

- Break the current to a damaged water purifier by pulling out the plug. Otherwise remove the water purifier's fuse from the electrical distribution board.

Information

Consumables

Filter	Part no. 919 24 00-84
Descaling agent	Part no. 150 72 07-01
Preserving agent	Part no. 150 72 06-02

Extra accessories

Sound absorbing carpet	Part no. 919 24 09-03

Consumables and extra accessories can be ordered through your dealer.
(Specify the part number as listed above.)

Basic facts about reverse osmosis

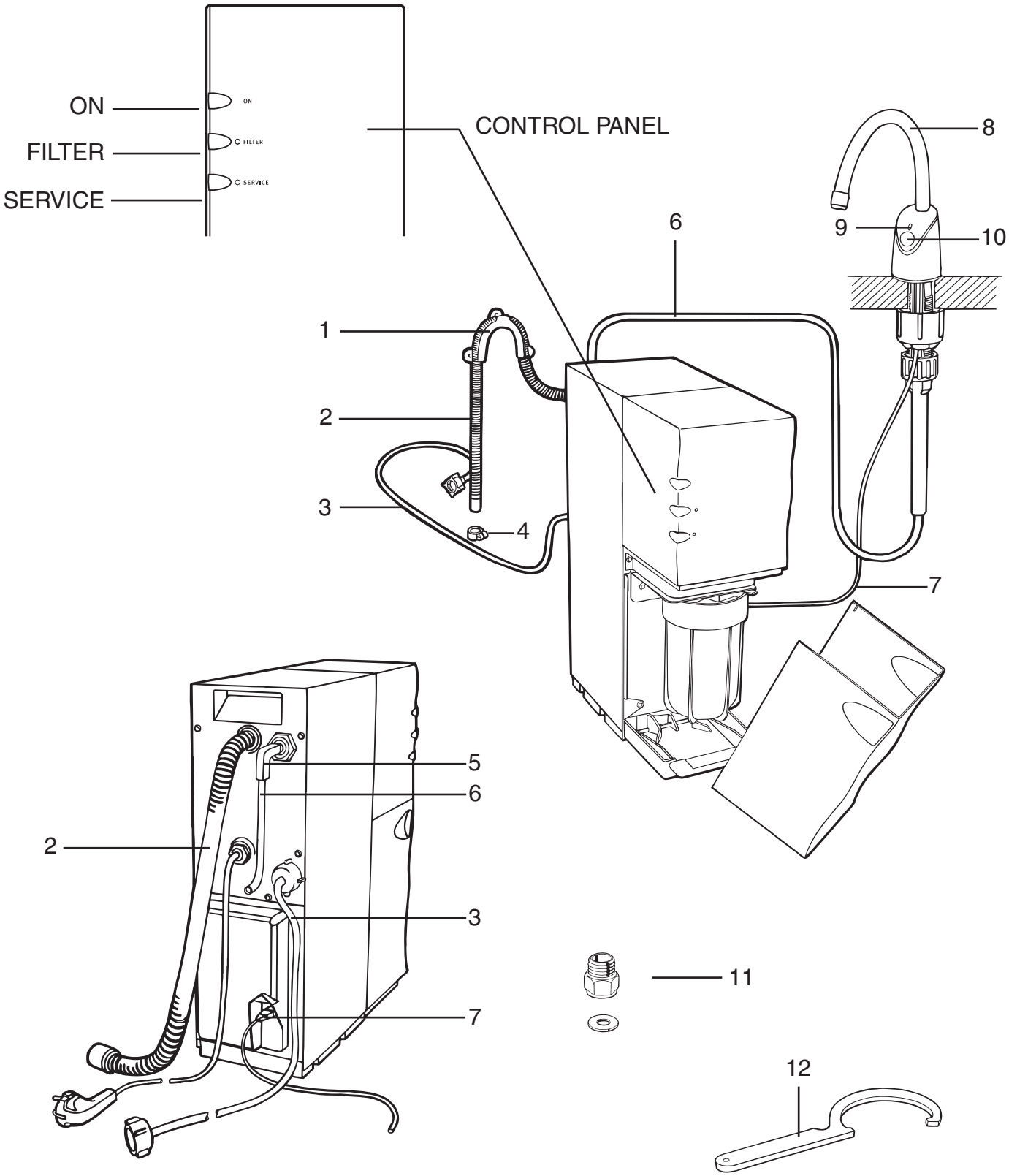
Water

«Pure water» is pleasant tasting, good water without harmful, unhealthy or undesirable quantities of organic and inorganic substances. Water purification means the separation of these particles and substances. Traditional purification is characterised by certain substances being separated from the water. Reverse osmosis is a superior filtration whereby extremely small molecules and particles can also be separated. The technique involves the unpurified water being separated into two streams, the pure water and a concentrate containing all the substances separated from the water.

Osmosis - Reverse osmosis

In nature, for example in our bodies, water is transported by means of osmosis. The cell walls are a natural osmotic membrane which separates impurities from pure water. With the reverse osmosis water purification technique, water is forced under high pressure through a semi-permeable, synthetic membrane. The result is pure water, the osmosis water. The membrane is only permeable to water. Other substances with molecules just a little larger than the water molecule cannot pass through the membrane, but are separated. One major advantage of reverse osmosis is that no chemicals are used during treatment.

Product description



1 Bracket for reject water hose
2 Reject water hose
3 Feed water hose
4 Hose clip
5 Angle bracket for pure water hose
6 Pure water hose
7 Connection to the indicator light on the faucet
8 Pure water faucet
9 Indicator light
10 Button
11 Adapter for feed water hose
12 Filter spanner

Using the water purifier

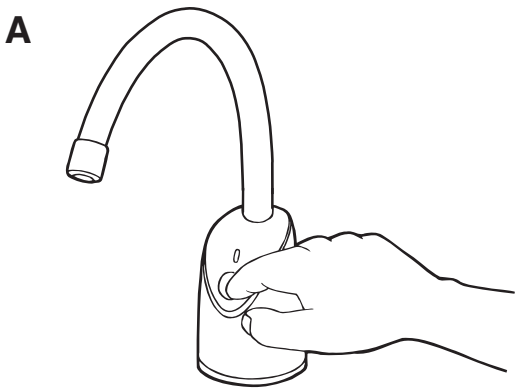
When the water purifier has been installed and flushed according to the instructions, it is ready to be used. The water purifier has an electronic control system which makes it easy to use.
Remember the following:

- Change the filter when filter replacement is indicated on the control panel (2 - 3 times/year).
- Clean the purifier when the flow has reduced by 50%.

Production of pure water

To start pure water production:

- Press the button on the faucet once. The water purifier produces pure water until the button is pressed again. See fig. **A**.
- Hold the button pressed. The water purifier produces pure water until the button is released. See fig. **A**.

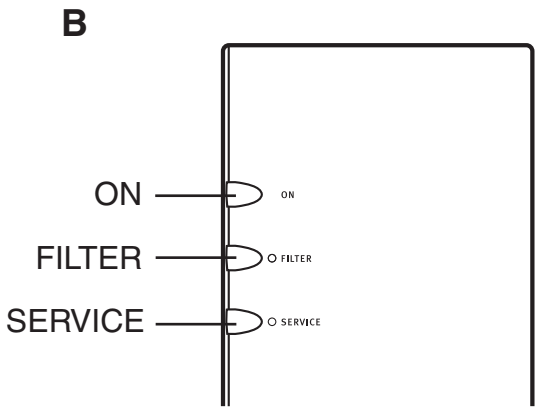


Indication

The indicator lights on the control panel and the faucet indicate status and water quality.

The lights on the control panel indicate the following, see fig. **B**:

ON (green)	The purifier is connected.
FILTER (flashing yellow)	Replace filter.
FILTER (yellow)	Emergency stop because filter replacement has not been carried out.
SERVICE (flashing yellow)	Warning of deterioration in water quality.
SERVICE (yellow)	Emergency stop due to deterioration in water quality.



The indicator light on the faucet indicates the following, see fig. **A**:

Green light	Good water quality.
Yellow light	Unsatisfactory water quality.
Flashing yellow light	Control panel attracting your attention.

It can take up to 120 seconds before good water quality is indicated on the pure water faucet.

The water purifier is most efficient when producing pure water for longer periods, e.g. filling a whole jug rather than a drinking glass.

Automatic flushing

- When the combined drawing time has been longer than 60 seconds, an automatic flush is performed.
- If pure water production has lasted for more than 2 hours, the water purifier automatically stops, flushes and goes into standby mode. The flushing procedure takes 5 minutes and cannot be interrupted.
- When the water purifier is connected to water and electricity, flushing is automatically performed 6 hours after the most recent flush.

Maintenance

Replacing the filter

It is important to pay attention to filter replacement, as the filter's primary job is to protect the membrane. Check that the container is not leaking after filter replacement, and perform follow-up checks.

Replace the filter when:

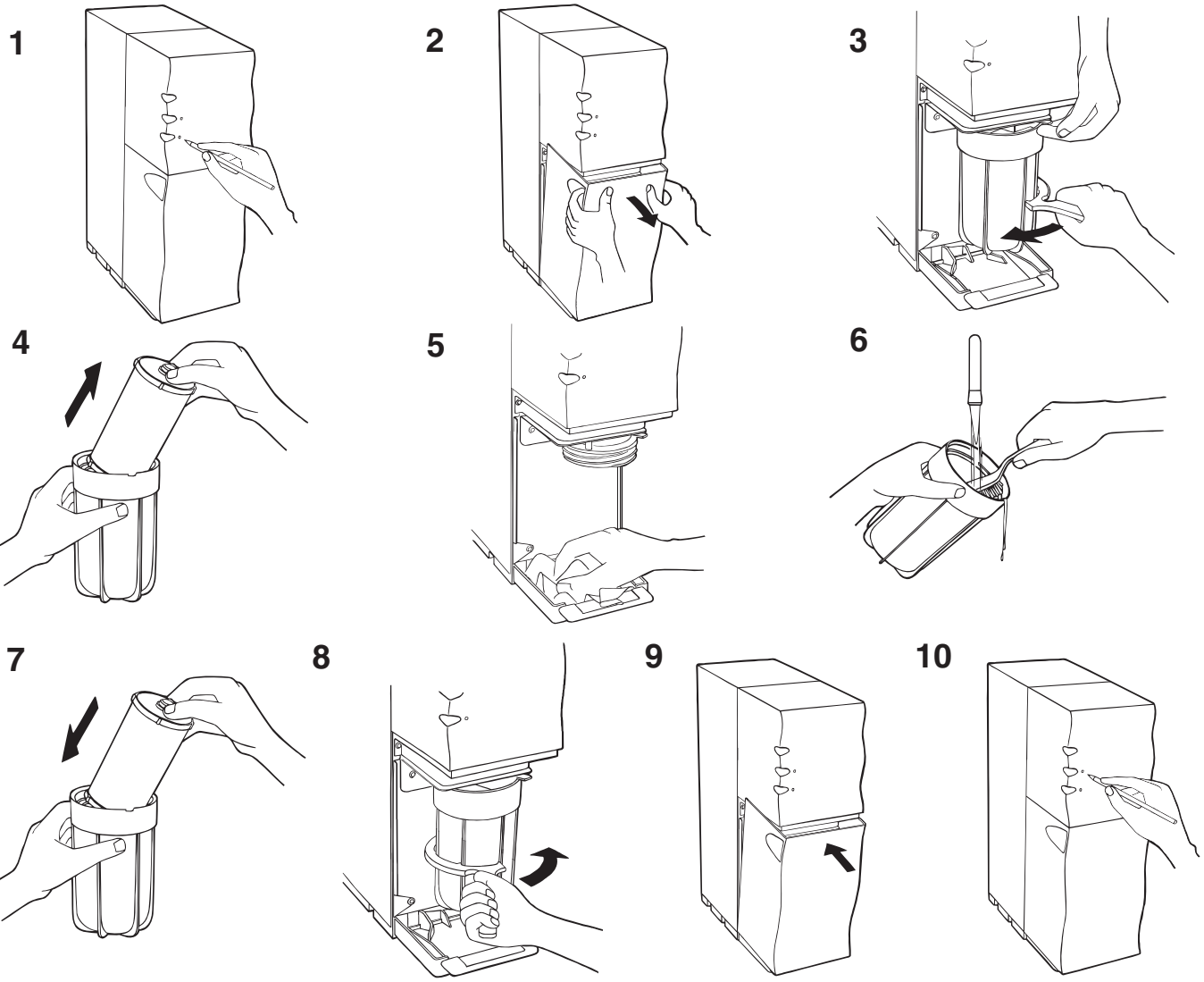
- the filter light flashes or lights
- the water purifier emits a noise
- when the flow is reduced by half.

1. Check that the water purifier is in standby mode. Press and hold in the service button, using a pen, until the service light comes on (approx. 6 seconds). Release the button. The lights on the faucet now flashes rapidly for 15 seconds. This procedure will prevent flushing from taking place during filter replacement.
2. Open the front cover using the grip, as illustrated.
3. Lift the lock plate on the filter cover and unscrew the container. Use the supplied filter spanner if necessary. Remember that the container is full of water and that it can overflow!
4. Remove the old filter.
5. Wipe up any spillage on the base plate.
6. Clean the filter container with a brush and water.
7. Insert the new filter with the pin pointing up. Fill up the container with water to the lowest thread.
8. Screw back the filter container. Tighten the filter container until the locking plate clicks into the groove. Do not tighten any more.
9. Close the front cover.
10. Reset the filter indicator by pressing in the filter button and keeping it pressed until the filter light goes out (approx. 3 seconds). Use a pen.

The filter replacement is now complete and the water purifier is ready to be used.

Filter replacement before indication:

If the filter is replaced before the light indicates that replacement is necessary, reset in accordance with point 10. The only difference is that the filter light first comes on and then go out.



Maintenance

Descaling

When the flow is reduced, the water purifier should be descaled to extend its lifetime. When the flow cannot be restored despite descaling and filter replacement, contact your dealer. During the descaling procedure, which takes around 10 hours, the water purifier cannot be used.

The descaling product can be ordered from your dealer, see «Consumables».

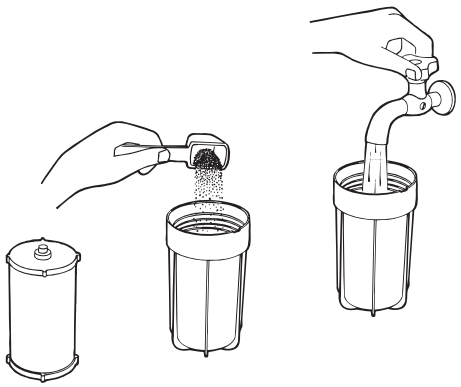
⚠ **The descaling product must be kept out of the reach of children! Wash your hands after using it.**

1. Check that the water purifier is in standby mode.
2. Press the service button, using a pen, until the service light comes on. Release the button. The light on the faucet now flashes rapidly for 15 seconds. This will prevent flushing from taking place during descaling.
3. Unscrew the filter container in accordance with «Replacing the filter», points 2 - 5. Remove the filter and put it a side.
4. Mix 50 g (approx. 1/4 of the bag) of the descaling product with 7 dl of lukewarm water. Stir until the powder has dissolved, see fig. **A**.
5. Screw the filled container in place.
6. Start the water purifier and produce pure water for 30 seconds.
7. **While production is still in progress, pull out the plug, see fig. B.**
8. Allow the water purifier to stand for approx. 10 hours (e.g. overnight).
9. Undo the container and empty the water. Replace the filter in accordance with «Replacing the filter», points 7 - 8, except that the previously used filter is used here.
10. Close the front cover and connect the plug.
11. Flush the water purifier in accordance with «Flushing».

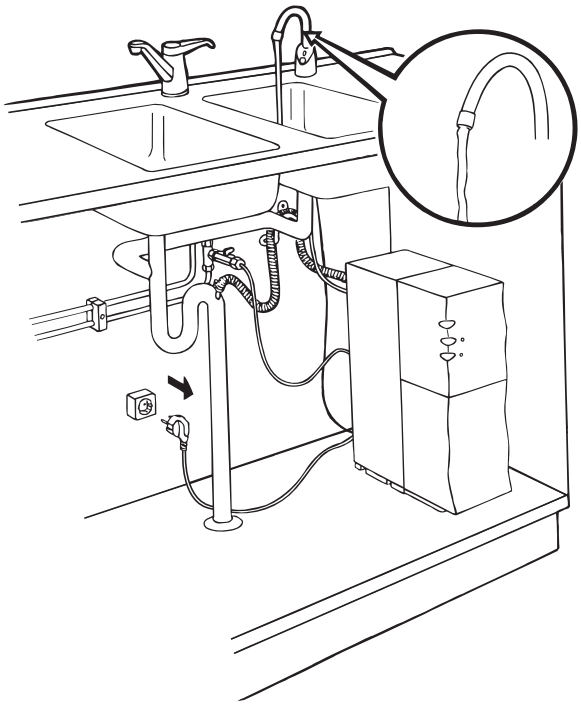
⚠ **Do not use the purified water until flushing is complete.**

The descaling process is now finished. The water purifier is ready to be used.

A



B



Maintenance

Disinfection

If the feed water has a high content of micro-organisms, the water might develop an odour if the water purifier is not used for an extended period of time (1 week). It is then necessary to disinfect it. After the disinfection the filter has to be changed.

The disinfectant, sodium hypochlorite (concentration approx. 3.5%, odourless), can be purchased from supermarkets or chemists.

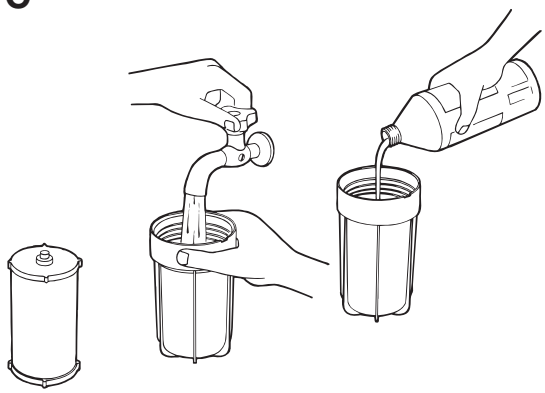
⚠ **The disinfectant must be kept out of reach of children! Wash your hands after using it.**

1. Check that the water purifier is in standby mode.
2. Press the service button, using a pen, until the service light comes on. Release the button. The light on the faucet now flashes rapidly for 15 seconds. This prevents flushing from taking place during disinfection.
3. Disconnect the filter container in accordance with «Replacing the filter», points 2 - 5. Remove the filter and discard it (should not be saved).
4. Fill the container with 7 dl of lukewarm water and pour in 1/4 dl of disinfectant. See fig. **C**.
5. Screw the filled container in place.
6. Start the water purifier and produce pure water for 30 seconds.
7. **While production is in progress, pull out the plug as shown in fig. D**. Allow the water purifier to stand for around 30 minutes.
8. Disconnect the container and insert a new filter into it, in accordance with «Replacing the filter», points 7 - 8.
9. Connect the plug.
10. Close the front cover.
11. Flush the water purifier in accordance with «Flushing».

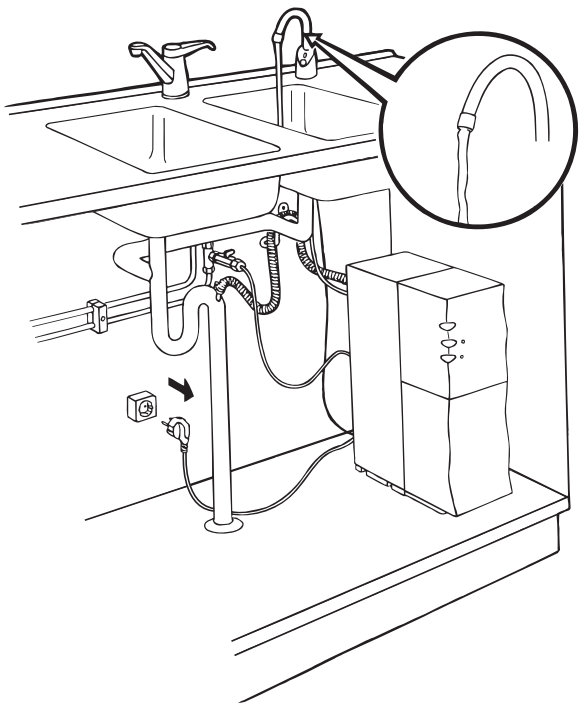
⚠ **Do not use the purified water until flushing is complete.**

The disinfection process is now finished. The water purifier is ready to be used.

C



D



Maintenance

Storage

The water purifier should be put into storage if:

- it is going to be disconnected from water and electricity for an extended period (1 week or more).
- it is not going to be used to produce purified water for a period of 4 months or longer.

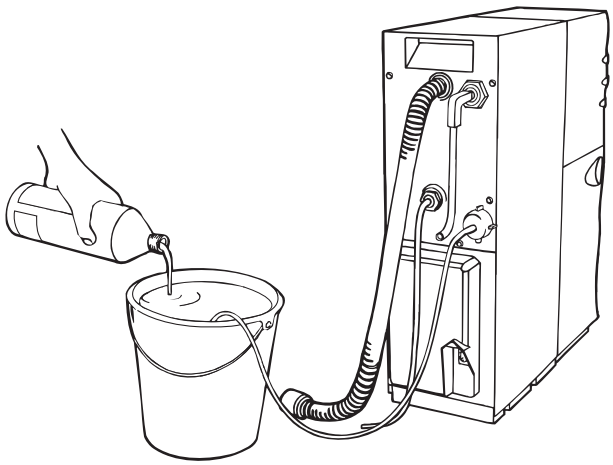
Preserving agents can be ordered from your dealer, see «Consumables».

⚠ **The preserving agent must be kept out of reach of children! Wash your hands after using it.**

☞
1. Check that the water purifier is in standby mode.
2. Close the shut-off valve on the feed water connection.
3. Disconnect the feed water hose from the shut-off valve.
4. Unscrew the filter container in accordance with «Replacing the filter», points 2 - 5. Remove the filter and discard it (should not be saved).
5. Put the filter container back in accordance with «Replacing the filter», points 8 - 9.
6. Mix 2 litres of preserving agent and 2 litres of water in a bucket.
7. Insert the feed water hose in the mixture, making sure that the mouth of the hose is constantly below the surface level of the liquid, see fig. **E.**
8. Start producing pure water. The water purifier now draws the mixture into it. Stop the production of pure water once all the liquid has been fed into the water purifier. Note! The noise produced by the water purifier changes during the first few seconds.
9. Disconnect the feed water and pure water hose from the water purifier.
10. Pull out the plug.

The water purifier is put into storage and can be kept in this way without the risk of freezing.

E



On reinstallation, the water purifier should:

- stand somewhere where the temperature is above +5° C for at least 48 hours.
- be supplied with a new filter, see «Replacing the filter».
- be flushed in order to wash out the preserving agent, in accordance with «Flushing».

⚠ **Don’t forget to insert a new filter in the water purifier.**

Maintenance

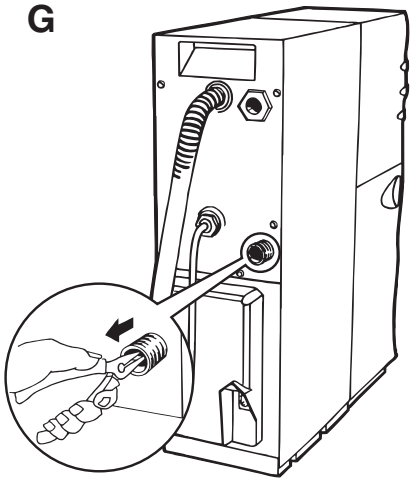
Cleaning the grid

The grid blocks larger particles and is situated in the feed water connection. If the flow is reduced or the purifier makes a noise, the grid may be blocked.

1. Check that the water purifier is in standby mode.
2. Close the shut-off valve at the feed water connection.
3. Unscrew the feed water hose from the water purifier.
4. Using pliers or similar, grip and pull out the grid in accordance with fig. **G**. Remember which way the grid is installed.
5. Clean and rinse the grid. **Reinsert the grid in the feed water connection using the pliers.**
6. Screw back the feed water hose.
7. Open the shut-off valve at the feed water and check that there is no leakage.

The grid is now clean and the water purifier is ready to be used.

G



Regular care of the water purifier

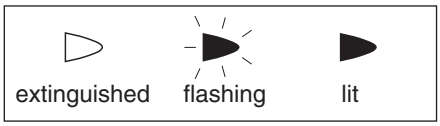
Listed below are things you need to remember in the regular care of your water purifier. The points are listed according to how often they need to be performed:

- Every day, check that the indicator lights are not indicating that something has to be attended.
- Keep the appliance clean. Externally, the appliance may only be cleaned with a damp cloth. Do not use a wet cloth and do not pour water over the appliance. Do not use detergents.
- Once a month, check that all the connections are in place and watertight. Wipe off any condensation that has collected on the base plate.
- Make sure that you always replace filter in time. The lifetime of filter depends e.g. on the feed water.
- After replacing a filter, stand the filter so that most of the water runs out over a few minutes. The filter can be discarded with normal household rubbish, as it does not contain any environmentally hazardous substances.
- Depending primarily on the hardness of the feed water and its content of micro-organisms, the water purifier should be descaled when the flow is reduced and disinfected if the water smells or tastes bad.
- When the capacity of the purifier is reduced even after filter replacement and descaling, contact your dealer for membrane replacement.
- If the feed water has been classed as unfit, the water produced by the water purifier should be tested once a year by an approved lab.
- If the water purifier is not going to be used in the next 4 months or is going to be disconnected from water and electricity, the water purifier should be put into storage.

If the water purifier is not working

Trouble-shooting table

To protect the user and the water purifier from incorrect use, there are built-in alarms which cause the purifier to give an indication and stop. The table below gives probable causes of warnings given by the water purifier.



SYMPTOM	CHECK/REMEDIAL ACTION
ON light not lit.	● The water purifier is not receiving power. - Is the plug connected?
Yellow light on the faucet flashing and filter light flashing.	● Indicates that it is time for filter replacement. - Change filter in accordance with «Replacing the filter».
Yellow light on the faucet flashing and filter light lit.	● Emergency stop due to filter not having been replaced. - Change filter in accordance with «Replacing the filter».
Yellow light on the faucet flashing and service light flashing.	● Indication of deterioration in water quality. - Contact your dealer for membrane replacement.
Yellow light on the faucet flashing and service light lit.	● Emergency stop due to air in the system caused by filter replacement. - Pull out the plug and connect it again. Let the purifier go throug the flush before starting production of pure water. ● Emergency stop due to deterioration in water quality. - Contact your dealer for membrane replacement.
Yellow and Green light on the faucet lit and service light lit.	● The water quality measurement is not working. - Contact your dealer for replacement.
Noise from the water purifier.	● The water purifier is not receiving sufficient water. - Is the inlet pressure lower than 1.5 bar during operation? - Is the grid blocked? - Clean the grid. - Is the filter blocked? - Change filter.
Motor not starting. Yellow or green light on the faucet lit.	● The overflow protection has been triggered. - Pull out the plug and wipe clean the base plate. - If it is triggered again, call your dealer.
Motor not starting.	● The water purifier is flushing. - Wait for 5 minutes. - Is the faucet cord connected?
Low flow from the faucet.	- Is the membrane blocked? - Descale the water purifier in accordance with «Descaling». - Make sure the pure water hose is not jammed.
No flow from the faucet.	- Is the shut-off valve for the feed water open?
Dripping from the faucet during flushing.	● The hight distance between the faucet and the water purifier is less than 500 mm. - See «Installation».
Unpleasant smell.	● Odour problems can be caused by micro-organisms in the water because the water purifier has not been used for an extended period (1 week or longer). - Clean the water purifier in accordance with «Disinfection».

If you are still having problems with your water purifier after having read through and tried the procedures described in the trouble-shooting table, contact your dealer.

Service

Service and spare parts

Before calling service, use the trouble shooting table «If the water purifier is not working» to try to attend to the fault yourself. If service is called in to solve a problem that is in this list, there is a risk that you will be responsible for the cost. This is also true if you have used the appliance for a purpose other than it is intended for.
Note that electrical faults should always be rectified by a certified electrician.

Give the appliance's model designation, product and serial numbers according to the data plate (see fig. **A**). The plate is located behind the filter. (Remove the cover to see the data plate.)
You can record these details here:

TYPE .....

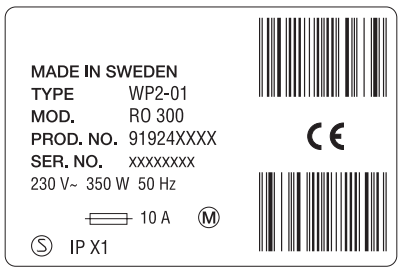
MOD .....

PROD.NO .....

SER.NO .....

Purchase date.....

A



Technical facts

Dimensions:	
-height	462 mm
-depth	365 mm
-depth with hoses	390 mm
-width	150 mm
-weight (on delivery)	15 kg
-weight (filled with water)	18 kg
capacity	
(water temp. 15 °C)	2.5 (±0.4) l/min
electrical connection	230 V, 50 Hz, 10 A, earthed supply
total output	350 W
operating cycle	2 hours
noise level when installing in undersink cupboard	<60 dB(A)
Water efficiency	
- during operation	approx. 65 %
- including flushing	approx. 50%
Operating range	
air temperature	2 - 43 °C
relative humidity (RH)	25 - 95 %

Requirements on feed water to water purifier:

Variant	**-05**	**-06**
water flow	>6 l/minute	>6 l/minute
water pipe pressure	150 - 1000 kPa	150 - 1000 kPa
(dynamic)	(1.5 - 10 bar)	(1.5 - 10 bar)
water temperature	2 - 40°C	2 - 40°C
Chemical		
conductivity	<200 mS/m	<120 mS/m
/salt	<1500 mg/l	<750 mg/l
/chloride Cl^-	<900 mg/l	<400 mg/l
cloudiness	slight / distinct*	slight / distinct*
turbidity	<0.5 FNU*	<0.5 FNU*
pH value	6 - 9	6 - 9
calcium: Ca^{2+} } magnesium: Mg^{2+} } /hardness	<140 mg/l <20 °d	<140 mg/l <20 °d

iron: Fe^{2+}	<0.5 mg/l*	<0.5 mg/l*
iron: Fe^{3+}	<0.3 mg/l*	<0.3 mg/l*
manganese: Mn	<0.3 mg/l*	<0.3 mg/l*
COD Mn: O_2	<5 mg/l	<5 mg/l

* in the event of higher values, extra filter required

Microbiological		
heterotrophic bacteria 48 hours	1,000/1 ml	1,000/1 ml
coliform bacteria	1,000/100 ml	1,000/100 ml
e.coli	100/100 ml	100/100 ml

Examples of rejection for substances which may be present in water

INORGANIC SUBSTANCES	**%**
-turbidity (cloudiness)	>99
-colour rating	>99
Cations/Metals	
-sodium	>96
-potassium	>97
-calcium (hardness)	>99
-aluminium	>99
-iron	>99
-manganese	>99
Cations/Heavy metals	
-copper	>99
-lead	>99
-zinc	>99
-mercury	>99
-cadmium	>99
-chrome	>98
-nickel	>99
Anions	
-fluoride	>99
-chloride	>98
-nitrate	>97
-sulphate	>97

ORGANIC SUBSTANCES	**%**
Hydrocarbons	
-heptane, octane, decane, etc.	>98
-benzene, toluene, xylene, ethyl benzene, etc.	>99
-diesel oil	>99
Polyaromatic hydrocarbons	
-PAH	>99
Chlorinated hydrocarbons	
-compounds which can form when water is chlorinated	>99
Trihalomethanes (THM)	
-trichloromethane	>60
-bromodichloromethane, dibromochloromethane, tribromomethane	>99
Pesticides	
-PCB	>99
MICRO-ORGANISMS	
-heterotrophic bacteria	>99
-coliform bacteria/e.coli	>99

Installation

Unpacking

- If the appliance has been damaged during transportation, you should immediately notify the company responsible for delivering it.
- Carefully lift out the water purifier by taking hold of the plastic bag and the rear handgrip. The appliance can be damaged if it is lifted in any other way.
- Check the purifier for any signs of damage and check that no accessories are missing. Any damage, faults or missing parts should be notified to the supplier.
- Do not leave the packaging material lying around so that children can play with it.

Positioning the water purifier

The water purifier must be installed under the sink unit and the following points should be observed:

- The purifier is installed upright, without support, on a horizontal surface that can take the load.
- The installation space should be close to cold water supply, drainage and an earthed electrical supply.
- It should be easy to inspect the control panel.
- It should be possible to open the front cover so that the filter container can be accessed.
- The water purifier should be installed with a 2 cm gap to any adjacent fittings or walls to ensure good ventilation around the appliance.
- Connections can be routed in any direction from the connection point; make sure no connections are crushed or damaged.
  The dimensions of the area required for the water purifier are specified in fig. **A**.

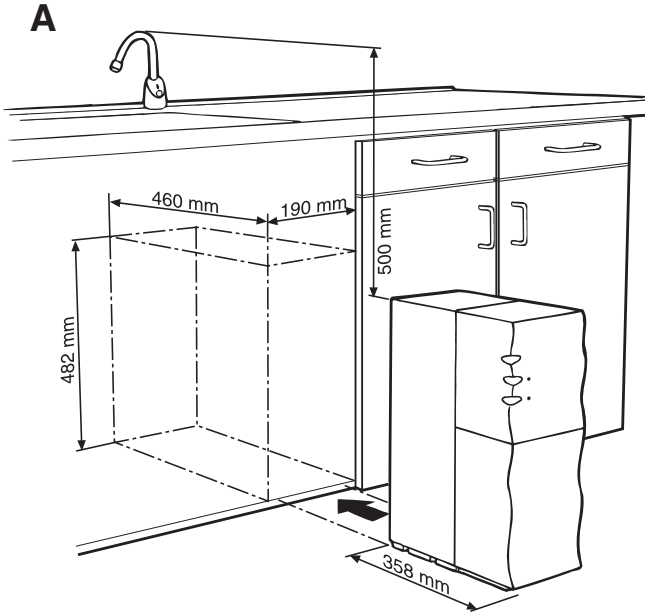
Installing the pure water faucet

The pure water faucet is supplied complete with a pure water hose. The faucet can be raised and lowered and can be turned in either direction.
If the hose has to be cut, use a sharp knife e.g. a carpet knife, so that a flat, smooth and circular cut surface is achieved, see fig. **B**. This is essential in order for the connection to be watertight.

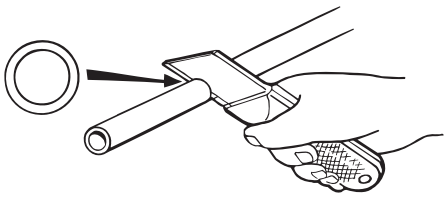
If the distance between the faucet's highest point and the water purifier's highest point is less than 500 mm, water can drip from the faucet during flushing. See fig. **A**.

1. Mark out the position on the sink unit where the pure water faucet is to sit. Make sure there is room on the underside for the hose and the faucet fittings.
2. Drill a hole with a diameter Ø 20 mm.
3. Install the pure water faucet on the sink unit as shown in fig. **C1**. Maximum unit thickness is 40 mm. Adjust the height of the faucet to the desired position and secure it with the black nut. **Make sure that the cable to the faucet does not get jammed during installation. See fig. C2.**

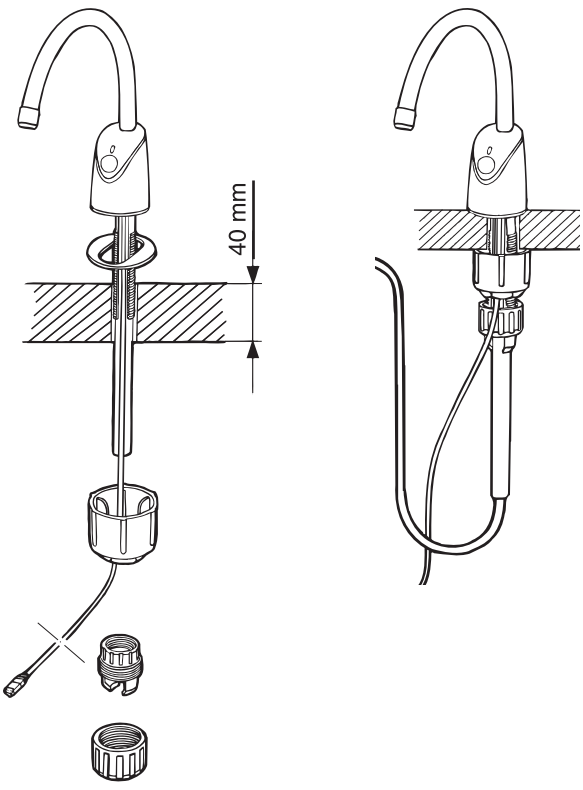
A



B



C1 **C2**



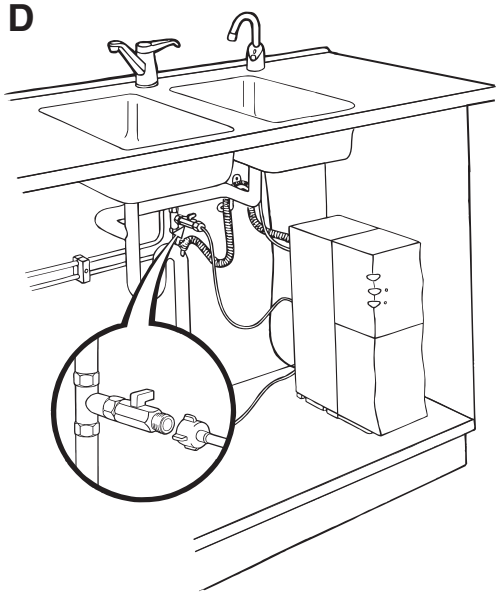
Installation

Water connection

Feed connection: The water purifier is connected to cold water (2 - 40 °C) via the feed water hose. The connection should be supplied with an easily accessible shut-off valve, see fig. **D**.
If the connection is with new pipes or pipes that have not been in use for an extended period, the water should be allowed to run for a while before the hose is connected in order to flush out sand and rust.

1. Check that the black washer is in position in the connection on the feed water hose's straight end.
2. Screw the feed water hose's straight end onto the shut-off valve as shown in fig. **D**. If the 3/4" hose connection does not fit, it can be changed to a 1/2" connection using the adapter supplied. Put the black washer in the adapter and screw the adapter onto the shut-off valve for feedwater. Screw the feed water hose onto the adapter.

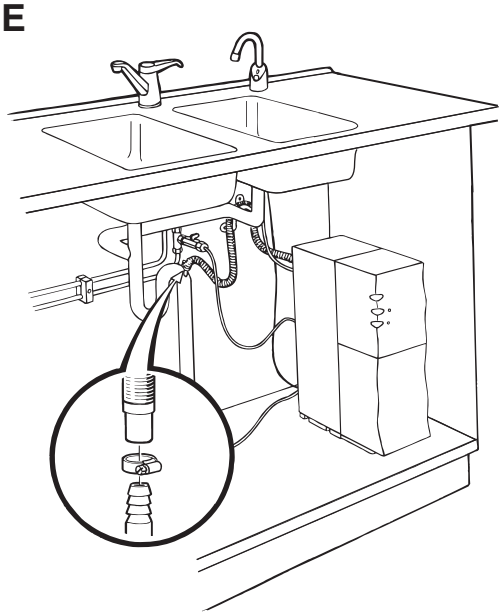
D



Reject water outlet connection: The flushing water passes via the reject water hose to the reject water outlet. The hose may be extended up to 4 m, and the minimum internal diameter is 13 mm.

The connection is made to the water trap via the dishwasher drain or simular connections. If the reject water outlet spigot is already connected, the intermediate section should be changed to one with two spigots. The reject water outlet spigot is placed before the water trap. Affix the hose as shown in fig. **E** securely with the aid of the hose clip and bracket for the reject water hose.

E



The reject water hose should be placed at least 50 mm above the water purifier's upper section and existing water trap using the enclosed bracket.

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Electrical connection

The water purifier should be connected to an earthed electrical supply (230 V, 50 Hz and 10 A). We recommend connection using a plug, as some operations require the power supply to be temporarily interrupted. The plug should also be easily accessible after installation.

Installation

Connecting the water purifier

Before the water purifier is placed in its intended position, remove the plug at the end of the reject water hose and the two plugs in the connections on the purifier, see fig. **F**. Connect the two hoses and the faucet cord to the appliance as shown in fig. **G**.

Feed water

1. Screw the bent end of the feed water hose onto the water purifier. Check that the seal is in place in the connection. See fig. **G** no. 1.
2. Open the shut-off valve on the feed water and check that there is no leakage at the feed water hose.

Pure water

The pure water is routed via the pure water hose to the faucet installed on the sink unit.

1. Connect the pure water hose from the pure water faucet to the water purifier. Push the hose into the bottom position, up to the mark (approx. 19 mm). See fig. **G** no. 2.

Reject water

The reject water hose has already been connected to the water purifier on delivery. The other end of the hose is connected to the waste water pipe.

Indicator light

1. Connect the cable from the faucet indicator light, as shown in fig. **G** no. 3, and place the water purifier in the intended position.

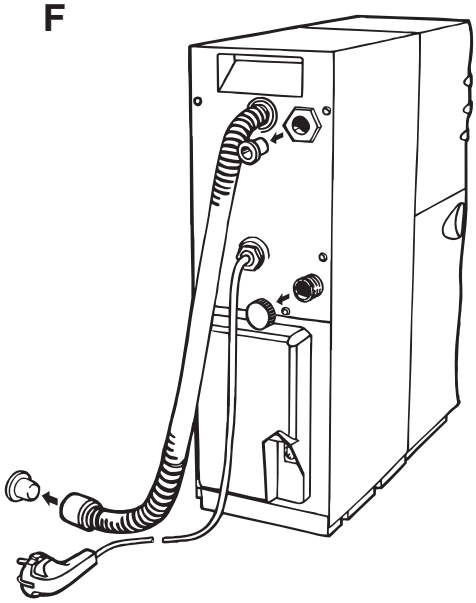
Electrical connection

1. Connect the plug to the earthed wall socket as shown in fig. **H**.

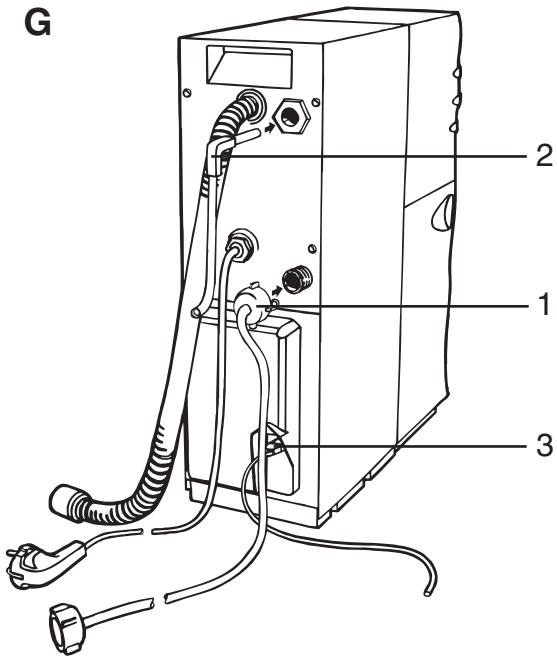
The water purifier starts and flushes for 90 seconds. Flushing is performed every time the plug is connected.

Do not drink the water until the flushing procedure under «Flushing» has been completed.

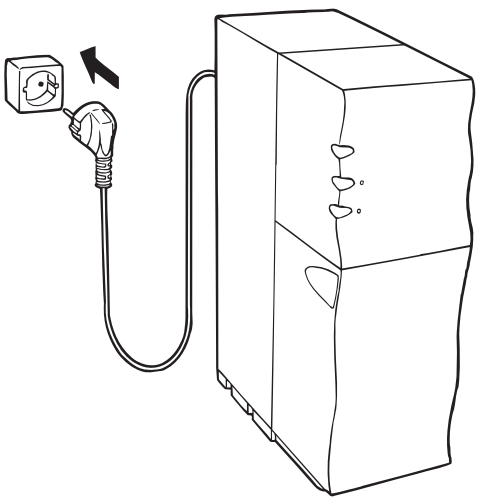
F



G



H



Installation

Flushing

Flushing should take place when the water purifier:

- is new and has never been used before
- is reinstalled after having been stored/protected against freezing
- has been cleaned, in order to rinse out the detergent
- has been fitted with a new membrane.

⚠ **Do not use the pure water until flushing is complete.**

First check that:

- the shut-off valve on the feed water is open
- the connection for the feed water is watertight
- the reject water outlet and pure water connections are watertight
- the filter container is properly tightened.

Check that there is no leakage from the connections during flushing. In the event of leakage, pull out the plug and fix the leak. Connect the plug and perform flushing again as described below.

1. Check that the water purifier is in standby mode.
2. Press the service button, using a pen, until both the service and filter lights come on (approx. 15 seconds). The lights on the faucet now flashes rapidly.
3. Release the button. The flushing procedure is now performed and takes 25 minutes. Water will be purified at the end of the procedure.

⚠ **This water must not be used.**

When the flushing procedure is complete, the lights on the faucet goes out.

The water purifier is now ready to be used.

Moving the water purifier

If you move the purifier from one place to another, you should remember the following points:

- Close the shut-off valve for the feed water before removing the feed water hose.
- Pull out the plug.
- Always transport the appliance upright.
- Install in accordance with the installation instructions.

If the water purifier will not be used for four months or more, or if it is to be disconnected from the water and electricity for several days, it should be put into storage. See «Storage».

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